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Geotechnical
Environmental and
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Engineering

Ms. Irene M. Dale
Environmental Engineer
Bureau of Waste Site Cleanup
Massachusetts Department of Environmental Protection
205B Lowell Street
Wilmington, MA 01887

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DEP
NORTHEAST REGIONAL OFFICE

Dear Ms. Dale:

Re: Monthly Remedial Monitoring Report No. 7A
Capuano Center and Residences
50 Tufts Street Site
Somerville, MA
RTN 3-23246 (eDEP Transaction #155240)

On behalf of UniFirst Corporation (UniFirst) of Wilmington, Massachusetts, GEI Consultants, Inc. is submitting this Remedial Monitoring Report (RMR) No. 7A for the Exposure Pathway Elimination Measures (EPEM) associated with 50 Tufts Street in Somerville, Massachusetts (Site), Figure 1. The Massachusetts Department of Environmental Protection (DEP) assigned Release Tracking Number (RTN) 3-23246 to the Site.

RMR No. 7A covers the monitoring period from October 1 to October 31, 2007. This RMR was prepared to meet the requirements of the Massachusetts Contingency Plan (MCP) (310 CMR 40.0000). The original Immediate Response Action (IRA) Transmittal Forms (BWSC105, BWSC105A, and BWSC105B) were submitted by eDEP, and copies were provided in Attachment A. BWSC105 has been completed to reflect current and historic immediate response actions performed at the Site to date.

This RMR addresses EPEMs at the following locations (refer to Figure 2):

- The sub-slab depressurization system (SSDS) installed in January 2007 at the Michael E. Capuano Early Childhood Center (Center) located at 150 Glen Street.
- SSDSs installed from May through October 2007 at residential or commercial buildings at; 23 Tufts Street, 31-33 Knowlton Street, 95 Franklin Street, 95R Franklin Street, 18 Morton Street, and 103 Washington Street.

1. OPERATING STATUS OF ACTIVE REMEDIAL SYSTEM [310 CMR 40.0027(2)(A)]

RMR No. 7A describes monitoring associated with: (i) the Center SSDS; and (ii) the residential/commercial SSDSs.

1.1. Capuano Early Childhood Center

The Center SSDS was designed by GEI and installed by the T. Ford Company of Georgetown, Massachusetts. The system consists of pipes connected to a blower to draw vapors from beneath

the building and discharge them through an exhaust pipe above the roof. All of the piping except the exhaust pipe is underground. The slotted pipes were installed beneath six classrooms along the southern side of the Center (Classrooms 122, 126, 134, 138, 142 and 146). The blower is currently located in a small temporary enclosure on the southern side of the instruction wing. Six sub-slab soil gas monitoring points were installed inside in the bathrooms of Classrooms 122, 126, 133, 137, 142 and 146. Figure 3 is the Center site plan. The Center SSDS has operated without significant interruption during the monitoring period.

1.2. Residences and Commercial Buildings

The residential/commercial SSDSs were specified by GEI and installed by Storch Radon Services of Fall River, Massachusetts and Norfolk Services, Inc. of Bridgewater, Massachusetts. The systems consist of pipes connected to a blower to draw vapors from beneath the building and discharge them through an exhaust pipe above the roof. The residential/commercial systems' blowers are located on the exterior of the building to prevent draft effects.

SSDSs are located at the following residences and commercial buildings: 23 Tufts Street, 31-33 Knowlton Street, 95 Franklin Street, 95R Franklin Street, 18 Morton Street, and 103 Washington Street.

2. DATE AND NUMBER OF MONITORING EVENTS [310 CMR 40.0027(2)(B)]

2.1. Capuano Early Childhood Center

2.1.1. Operations Monitoring

During the monitoring period, GEI conducted four monitoring events at the Center. The dates and types of monitoring events for the Center are shown in Table 1. Weekly inspection logs for the Center are included in Attachment B. Total VOC concentrations measured at the Center from October 1 to October 31, 2007 are summarized in Table 2 and graphs are presented in Attachment C.

2.1.2. Indoor Air Monitoring

On October 8 and 14, 2007, GEI monitored indoor air concentrations at the Center. Indoor air samples were collected in Classrooms 122, 126, 134, 138, 142 and 146. The monitoring results to date for the Center are summarized in Table 3. Laboratory data reports are included in Attachment D. On October 14, 2007 the mechanical system was adjusted to put the building under negative pressure to create a "worst case" operating condition. At the conclusion of the tests the building was put back into its normal operating cycle.

A duplicate air sample was collected in Room 138 during each monthly indoor air sampling event at the Capuano Center. Each set of duplicate air samples was created by using a "T-splitter" and tubing attached to two canisters so that both canisters were drawing air from the same sample port.

For the duplicate samples collected in Classroom 138 on September 10, 2007, the laboratory did not detect PCE above laboratory reporting limits in one sample; however, 6.5 micrograms per cubic meter ($\mu g/m^3$) of PCE were measured in the duplicate sample. PCE was not reported above laboratory reporting limits in Classroom 138, or any of the other classrooms, in any other monthly sampling event conducted between February and September 30, 2007. After extensive discussion and evaluation, GEI and the laboratory agree that the detection of PCE only in the duplicate sample was an anomaly.

GEI conducted a rigorous sampling program in Classroom 138 in October 2007 to determine if that earlier result was in fact an anomaly. We collected a set of four replicate samples (two sets of duplicates) in Classroom 138 during the October 8, 2007 sampling event. One sample and its duplicate were collected in Classroom 138 using a stainless steel "T splitter" attached to two sample collection canisters. This ensured that both canisters were drawing air from the identical location with no separation of sampling ports. The second sample and its duplicate were collected by placing two sample collection canisters side by side. The laboratory did not detect PCE above the laboratory reporting limits in three of the four samples from the classroom. In the duplicate sample collected with the "T splitter", 1.5 µg/m3 of PCE was detected. The level of 1.5 µg/m3 is right at the limit of what can be reliably quantified by the analytical laboratory. An additional set of two pairs of duplicate samples (four total) were collected in Room 138 during the October 14, 2007 sampling event, which was conducted after the building was put under negative pressure. PCE was not detected in any of the four samples collected in Room 138 on October 14.

2.2. Residences and Commercial Buildings

There were no monitoring events between October 1 and October 31, 2007 at the residential or commercial buildings documented in this RMR No. 7A.

3. EFFLUENT CONCENTRATIONS [310 CMR 40.0027(2)(C)]

3.1. Capuano Early Childhood Center

The Center's SSDS influent and effluent total VOC concentrations during the monitoring period are summarized in Table 2.

3.2. Residences and Commercial Buildings

GEI collected an SSDS effluent sample for TO-15 analysis from 95R Franklin on October 29, 2007. Other residential and commercial building effluent concentrations were not monitored during this reporting period. GEI has not received the analytical data and will report the results in the November RMR #8a.

4. IDENTIFICATION OF DISCHARGES ABOVE PERMISSIBLE DISCHARGE CONCENTRATIONS [310 CMR 40.0027(2)(D)]

The regulatory requirements for off-gas treatment for remedial air emissions are presented in DEP's Policy No. WSC-94-150, "Off-Gas Treatment of Point-Source Remedial Air Emissions." The DEP policy states that off-gas contaminant treatment is not required for SSDSs that produce a total air emission rate of volatile contaminants of less than 100 pounds per year (lbs/yr). GEI calculated the total VOC air emission rates for the mitigation systems, which were presented in previous RMRs submitted to DEP.

4.1. Capuano Early Childhood Center

It is our opinion that the total VOC air emission rates of the SSDS at the Center does not exceed the criteria of 100 lbs/yr and therefore, does not require off-gas treatment.

4.2. Residences and Commercial Buildings

Total VOC air emission rates were calculated at individual buildings, in accordance with procedures confirmed by DEP. The total VOC air emission rates of each individual SSDS installed

at residences and the commercial building does not exceed the criteria of 100 lbs/yr and therefore, does not require off-gas treatment.

5. RECOVERY RATES AND/OR VOLUMES [310 CMR 40.0027(2)(E)]

There is no vapor, liquid or solid recovery associated with the operation of the EPEMs.

6. DISCHARGE VOLUMES [310 CMR 40.0027(2)(F)]

The volume of effluent discharged is not calculated as part of the operation of these EPEMs.

7. DATE, LOCATION, TYPE AND VOLUME OF REMEDIAL ADDITIVES APPLICATIONS [310 CMR 40.0027(2)(G)]

No remedial additives have been applied as part of these EPEMs.

8. GROUNDWATER DATA [310 CMR 40.0027(2)(H)]

No groundwater data has been collected as part of these EPEMs.

9. RELATED MAPS, GRAPHS OR DIAGRAMS [310 CMR 40.0027(2)(I)]

Related tables, maps and inspection logs are included as attachments and referenced in this report.

Please contact me at (781) 721-4012 or at igladstone@geiconsultants.com if you have any questions regarding this RMR No. 7A.

Very truly yours,

GEI CONSULTANTS, INC.

Ileen S. Gladstone, P.E., LSP
Vice President

ISG:jah
c: John Badey, UniFirst Corporation
Peter Mills, City of Somerville

Attachments:

Table 1:	Summary of Monitoring Events – Capuano Center
Table 2:	PID Monitoring Data – Capuano Center
Table 3:	Summary of Testing Results – Indoor Air Samples – Capuano Center
Figure 1:	Site Location Map
Figure 2:	50 Tufts Street Site
Figure 3:	Capuano Center Site Plan
Attachment A:	BWSC105, BWSC105A and BWSC105B
Attachment B:	Weekly Mechanical Inspection Logs for Capuano Center
Attachment C:	Graphs of SSDS and Sub-Slab Total VOC Concentrations
Attachment D:	Laboratory Data Reports

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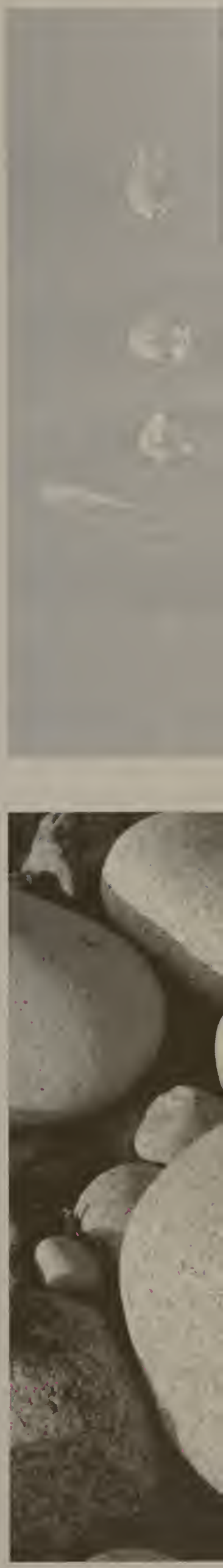

Table 1
Summary of Monitoring Events: October 1 to October 31, 2007
Capuano Center
Somerville, Massachusetts

Monitoring Date	Monitoring Event per RMR Report Period	Type of Monitoring Event	SSDS Field Parameters Measured	Analytical Samples Collected (yes/no)?
10/5/2007	1	SSDS Weekly Mechanical Inspection	-Pressure and VOC concentrations at each manifold pipe, the combined influent, and effluent pipes -System Flow Rate	No
10/8/2007	2	SSDS Monthly Monitoring	-Pre-sampling HVAC inspection -Pressure and VOC concentrations at interior sub-slab monitoring points -Pressure and VOC concentrations at exterior extraction pipes. -Pressure and VOC concentrations at manifold pipes, combined influent, and effluent pipes. -System Flow Rate	Yes
10/14/2007	3	SSDS Monthly Monitoring	-Pre-sampling HVAC inspection -Pressure and VOC concentrations at interior sub-slab monitoring points -Pressure and VOC concentrations at exterior extraction pipes.	Yes
10/26/2007	4	SSDS Weekly Mechanical Inspection	-Pressure and VOC concentrations at each manifold pipe and effluent pipes -System Flow Rate	No

Notes:
1. RMR = Remedial Monitoring Report.
2. SSDS = Sub-Slab Depressurization System.
3. VOCs = Volatile Organic Compounds.
4. HVAC = Heating, Ventilation, and Air Conditioning system.
5. VOC measurements collected with a ppb-RAE calibrated to 10 ppm isobutylene.
6. Pressure readings collected using a Dwyer 475-000-FM manamoter.

Table 2
PID Monitoring Data: October 1 to October 31, 2007
Capuano Center
Sommerville, MA

Date	Interior Sub-Slab Monitoring Points						Blower Enclosure Monitoring Points				
	Room 122A	Room 126A	Room 133A	Room 137A	Room 142A	Room 146A	Manifold 12	Manifold 13	Manifold 14	Combined Influent	Effluent
1/31/07	440	641	469	800	412	3,400	NM	NM	NM	NM	NM
2/1/07	492,000	305,000	975,000	1,244,000	210	331,000	NM	NM	NM	NM	NM
2/2/07	1,700	6,200	4,000	2,400	11,100	47,000	0	0	1,100	2,000	1,400
2/3/07	1,328	5,468	2,081	1,328	1,743	2,213	183	652	317	1,090	785
2/4/07	746	4,750	297	652	1,255	2,565	241	436	328	528	456
2/5/07	272	1,951	1,164	1,595	1,955	1,538	213	474	412	483	472
2/6/07	613	3,563	1,299	1,967	2,412	12,100	285	4,479	787	633	669
2/7/07	NM	NM	NM	NM	NM	NM	1,715	993	1,385	738	979
2/8/07	974	3,392	933	1,399	786	4,395	118	147	153	192	180
3/1/07	NM	NM	NM	NM	NM	NM	800	1,000	1,000	800	1,000
3/8/07	417	580	441	270	151	1,176	958	425	602	534	428
3/14/07	NM	NM	NM	NM	NM	NM	22	273	111	163	86
3/22/07	NM	NM	NM	NM	NM	NM	144	0	0	0	1,058
3/29/07	NM	NM	NM	NM	NM	NM	85	0	0	0	600
4/6/07	NM	NM	NM	NM	NM	NM	21	115	70	43	41
4/27/07	195	14,000	4,145	6,150	1,250	3,725	37	169	152	151	128
5/4/07	NM	NM	NM	NM	NM	NM	330	220	280	170	200
5/11/07	NM	NM	NM	NM	NM	NM	389	57	356	245	60
5/18/07	200	10,300	430	520	420	415	40	90	83	75	50
5/25/07	NM	NM	NM	NM	NM	NM	1,150	500	560	700	681
6/1/07	NM	NM	NM	NM	NM	NM	6,150	8,000	7,565	5,413	6,122
6/8/07	NM	NM	NM	NM	NM	NM	95	103	125	35	47
6/15/07	NM	NM	NM	NM	NM	NM	153	203	236	175	190
6/22/07	NM	NM	NM	NM	NM	NM	31	106	154	93	83
7/6/07	NM	NM	NM	NM	NM	NM	1,982	468	0	0	0
7/13/07	NM	NM	NM	NM	NM	NM	28	23	36	15	0
7/30/07	800	50	90	53	0	36	191	247	267	137	171
8/6/07	NM	NM	NM	NM	NM	NM	91	277	136	192	145
8/10/07	NM	NM	NM	NM	NM	NM	0	16	26	1	0
8/20/07	NM	NM	NM	NM	NM	NM	0	0	0	0	27
8/24/07	NM	NM	NM	NM	NM	N	NM	NM	NM	NM	110
9/7/07	NM	NM	NM	NM	NM	NM	261	300	340	300	260
9/10/07	27	175	8	842	0	17	98	207	319	261	310
9/25/07	NM	NM	NM	NM	NM	NM	0	0	0	0	0
9/30/07	NM	NM	NM	NM	NM	NM	120	150	240	190	185
10/5/07	NM	NM	NM	NM	NM	NM	700	540	530	420	400
10/8/07	45	71	40	22	16	20	177	140	175	136	123
10/14/07	NM	231	321	1,245	268	80	NM	NM	NM	NM	NM
10/26/07	NM	NM	NM	NM	NM	NM	14	100	150	80	87

General Notes:
1. All measurements were collected with a photoionization detector (PID), calibrated to isobutylene, and shown in parts per billion by volume (ppbv).

Qualifying Notes:
NM = Not Measured

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Cafetorium		Room 101C				Room 108				Room 121		Room 122				Room 125			
Sample Name:		150 Glen-Caf		150 Glen Room 101A		150 Glen Room 101B		150-Glen-Room 108A		150 Glen-Room 108B		150-Glen-Room 121		150-Glen-Room 122		150-Glen-Rm 122		150 Glen-Room 125A		150 Glen-Room 125B	
Sample Date:		1/6/2007		12/27/2006		12/28/2006		12/27/2006		12/28/2006		1/6/2007		1/6/2007		2/7/2007		12/27/2006		12/28/2006	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	Method																				
Volatile Organic Compounds (VOCs)	TO-15																				
Carbon tetrachloride		0.49 JS	0.078 JS	< 1.3	< 0.20	< 1.3	< 0.20	0.94 J	0.15 J	< 1.3	< 0.20	0.52 JS	0.082 JS	0.51 JS	0.081 JS	0.69 J	0.11 J	1.0 J	0.16 J	< 1.3	< 0.20
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		0.88 JS	0.13 JS	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 126																			
Sample Name:		150 Glen-Room 126		150 Glen-Room 100 (Field Duplicate of 150 Glen-Room 126)		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126		150 Glen-Rm 126	
Sample Date:		1/13/2007		1/13/2007		2/7/2007		3/8/2007		4/20/2007		5/17/2007		7/30/2007		9/10/2007		10/8/2007		10/14/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m3	ppbV	ug/m3	ppbV	ug/m3	ppbV	ug/m3	ppbV	ug/m3	ppbV	ug/m3	ppbV
Analyte	**Method**																				
Volatile Organic Compounds (VOCs)	TO-15																				
Carbon tetrachloride		0.69 J	0.11 J	0.63 J	0.10 J	0.94 J	0.15 J	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	0.60 J	0.095 J	0.69 J	0.11 J	0.82 J	0.13 J	< 0.53	< 0.20
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0. 79	< 0.20	< 0. 79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		0.88 J	0.13 J	0.75 J	0.11 J	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	1.0 J	0.15 J	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
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Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 134				Room 136		Room 137				Room 138											
Sample Name:		150 Glen-Room 134		150 Glen-Rm 134		150 Glen-Room 136		150 Glen-Room 137A		150 Glen-Room 137B		RM138		150 Glen-Room 138		150 Glen-Room 138		150 Glen-Room 138 (Alpha Dupliate of 150 Glen-Room 138)		150 Glen-Rm 138		150 Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)	
Sample Date:		1/13/2007		2/7/2007		1/13/2007		1/6/2007		1/6/2007		1/2/2007		1/6/2007		1/13/2007		1/13/2007		2/7/2007		2/7/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	**Method**																						
Volatile Organic Compounds (VOCs)	TO-15																						
Carbon tetrachloride		0.75 J	0.12 J	0.94 J	0.15 J	0.69 J	0.11 J	0.52 JS	0.082 JS	< 1.3	< 0.20	< 1.3	< 0.20	0.49 JS	0.078 JS	0.82 J	0.13 J	< 0.126	< 0.020	0.75 J	0.12 J	0.52 J	0.082 J
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	0.45 J	0.11 J	0.77 JS	0.19 JS	0.57 J	0.14 J	< 0.081	< 0.020	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	2.1 S	0.54 S	< 0.79	< 0.20	< 0.079	< 0.020	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.0819	< 0.020	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	0.83 S	0.21 S	< 0.79	< 0.20	< 0.079	< 0.020	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		3.2	0.47	< 1.4	< 0.20	2.1	0.31	< 1.4	< 0.20	< 1.4	< 0.20	14	2	60 S	8.8 S	20	3	32.6	4.8	< 1.4	< 0.20	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 0.109	< 0.020	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		0.54 J	0.10 J	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	2.3	0.42	7 S	1.3 S	3.1	0.57	4.26	0.794	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 138 (continued)																			
Sample Name:		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 138	
Sample Date:		3/8/2007		3/8/2007		4/20/2007		4/20/2007		5/17/2007		5/17/2007		7/30/2007		7/30/2007		9/10/2007		9/10/2007		10/8/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	Method																						
Volatile Organic Compounds (VOCs)	TO-15																						
Carbon tetrachloride		< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	0.61 J	0.097 J	0.69 J	0.11 J	0.69 J	0.11 J	0.69 J	0.11 J	0.69 J	0.11 J
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	1.2 J	0.17 J	1.1 J	0.16 J	< 1.4	< 0.20	6.5	0.96	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 138 (continued)														Room 141							
Sample Name:		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 238 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 239 (Field Duplicate of 150-Glen-Rm 238)		150-Glen-Rm 138		150-Glen-Rm 139 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 238 (Field Duplicate of 150-Glen-Rm 138)		150-Glen-Rm 239 (Field Duplicate of 150-Glen-Rm 238)		150 Glen-Room 141		150-Glen-Rm 141		150-Glen-Rm 141		150-Glen-Rm 141	
Sample Date:		10/8/2007		10/8/2007		10/8/2007		10/14/2007		10/14/2007		10/14/2007		10/14/2007		1/6/2007		3/8/2007		4/20/2007		5/17/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	Method																						
Volatile Organic Compounds (VOCs)	TO-15																						
Carbon tetrachloride		0.88 J	0.14 J	0.82 J	0.13 J	< 0.53	< 0.20	< 0.53	< 0.20	< 0.53	< 0.20	0.59 J	0.094 J	0.62 J	0.099 J	0.45 JS	0.071 JS	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		1.5	0.22	1.2 J	0.18 J	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 141 (continued)								Room 142													
Sample Name:		150-Glen-Rm 141		150-Glen-Rm 141		150-Glen-Rm 141		150-Glen-Rm 141		RM142		150 Glen-Room 142		150 Glen-Rm 142		150-Glen-Rm 142		150-Glen-Rm 142		150-Glen-Rm 142		150-Glen-Rm 142	
Sample Date:		7/30/2007		9/10/2007		10/8/2007		10/14/2007		1/2/2007		1/6/2007		2/7/2007		3/8/2007		4/20/2007		5/17/2007		7/30/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	Method																						
Volatile Organic Compounds (VOCs)	TO-15																						
Carbon tetrachloride		< 1.3	< 0.20	0.75 J	0.12 J	< 0.53	< 0.20	< 0.53	< 0.20	< 1.3	< 0.20	0.52 JS	0.083 JS	0.82 J	0.13 J	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	0.63 J	0.10 J
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	1.4	0.35	1.2 S	0.29 S	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	0.87	0.22	2.5 S	0.63 S	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	1.0	0.25
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	28	4.1	45 S	6.6 S	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	0.33 JS	0.061 JS	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	3.7	0.69	5.4 S	1 S	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

	Sample Location:	Room 142 (continued)						Room 144				Room 145		Room 146									
	Sample Name:	150-Glen-Rm 142		150-Glen-Rm 142		150-Glen-Rm 142		150 Glen-Room 144 (Accutest Duplicate)		150 Glen-Room 144 (Alpha Duplicate)		150 Glen-Room 145		150-Glen-Room 146A		150-Glen-Room 146B		150-Glen-Room 146C (Field Duplicate of 12/28/2006		RM146		150-Glen-Room 146	
	Sample Date:	9/10/2007		10/8/2007		10/14/2007		1/13/2007		1/13/2007		1/6/2007		12/27/2006		12/28/2006		12/28/2006		1/2/2007		1/6/2007	
	Collected By:	GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI				GEI	
	Units:	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	Method																						
Volatile Organic Compounds (VOCs)	TO-15																						
Carbon tetrachloride		0.75 J	0.12 J	< 0.53	< 0.20	< 0.53	< 0.20	0.88 J	0.14 J	< 3.14	< 0.50	0.45 JS	0.071 JS	1.1 J	0.18 J	< 1.3	< 0.20	0.49 J	0.078 J	0.63 J	0.10 J	< 1.3	< 0.20
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 2.02	< 0.50	< 0.81	< 0.20	10	2.5	3.6	0.88	3.3	0.82	0.53 J	0.13 J	0.57 JS	0.14 JS
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 1.98	< 0.50	< 0.79	< 0.20	7.9	2	4	1	3.9	0.99	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	<2.02	< 0.50	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 1.98	< 0.50	< 0.79	< 0.20	3.3	< 0.83	1.3	0.33	1.2	0.31	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	4.1	0.61	4.36	0.643	< 1.4	< 0.20	186	27.5	83.4	12.3	85.4	12.6	11	1.6	26 S	3.8 S
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 2.72	< 0.50	< 1.1	< 0.20	2.1	0.38	0.82 J	0.15 J	0.71 J	0.13 J	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	1.3	0.24	< 2.68	< 0.50	< 1.1	< 0.20	37	6.8	10	1.9	11	2.1	1.7	0.32	3 S	0.56 S

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

S The result is estimated due to Internal Standard recovery outside of the control limits.

Table 3
Summary of Testing Results - Indoor Air Samples
Michael E. Capuano School, 150 Glen Street
Somerville, Massachusetts

Sample Location:		Room 146 (continued)															
Sample Name:		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146		150-Glen-Rm 146	
Sample Date:		2/7/2007		3/8/2007		4/20/2007		5/17/2007		7/30/2007		9/10/2007		10/8/2007		10/14/2007	
Collected By:		GEI		GEI		GEI		GEI		GEI		GEI		GEI		GEI	
Units:		ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV	ug/m^3	ppbV
Analyte	**Method**																
Volatile Organic Compounds (VOCs)	TO-15																
Carbon tetrachloride		0.75 J	0.12 J	< 1.3	< 0.20	< 1.3	< 0.20	< 1.3	< 0.20	0.62 J	0.099 J	0.82 J	0.13 J	< 0.53	< 0.20	0.58 J	0.092 J
1,1-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
1,1-Dichloroethylene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
1,2-Dichloroethane		< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20	< 0.81	< 0.20
cis, 1,2-Dichloroethene		< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20	< 0.79	< 0.20
Tetrachloroethylene (PCE)		< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20	1.0 J	0.15 J	< 1.4	< 0.20	< 1.4	< 0.20	< 1.4	< 0.20
1,1,1-Trichloroethane		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20
Trichloroethylene (TCE)		< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20	< 1.1	< 0.20

General Notes

1. Analytes detected in at least one sample are reported here. For a complete list of analytes see the laboratory data sheets.
2. ug/m^3 = micrograms per cubic meter.
3. ppbV = parts per billion by volume.
4. "<" = The analyte was not detected at a concentration above the specified laboratory reporting limit.

Qualifying Notes

J The reported result is below the laboratory reporting limit and is estimated.

L The reported result is estimated because the calculated relative percent difference (RPD) between a sample and the matrix duplicate was above the quality control limit specified in the Quality Assurance Project Plan (QAPP).

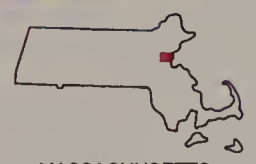
S The result is estimated due to Internal Standard recovery outside of the control limits.

GEI Consultants

Geotechnical
Environmental and
Water Resources
Engineering

0 1000 2000 4000 6000

SCALE, FEET



MASSACHUSETTS
QUADRANGLE LOCATION

This Image provided by MassGIS is taken from
U.S.G.S. Topographic 7.5 X 15 Minute Series
Boston North, MA Quadrangle, 1985.
Datum is National Geodetic Vertical Datum (NGVD).
Contour Interval is 3 Meters.

Remedial Monitoring Report No. 7a 50 Tufts Street Somerville, Massachusetts	GEI Consultants	SITE LOCATION MAP
UniFirst Corporation Wilmington, Massachusetts	Project 04516-2	November 2007 Fig. 1

N:\04516\#Drafting\045160-2\RMR No 7a\045160-2- RMR No 7a - 01.dwg

GENERAL NOTES:

1. BUILDINGS, STREET, AND PROPERTY LINES BASED ON SOMERVILLE ASSESSORS MAPS AND ARE BEST FIT RELATIVE TO THE LOCATION OF THE 50 TUFTS ST. BUILDING.
2. CAPUANO CENTER BUILDING IS BASED ON DRAWING A0.2 FROM THE ARCHITECTURAL BID SET OF "THE EDGERTY EARLY CHILDHOOD DEVELOPMENT CENTER" BY HMFH ARCHITECTS, INC., DATED AUGUST 10, 2001.

0 100 200

SCALE, FEET

IRA Status Report No. 7a
50 Tufts Street
Somerville, Massachusetts

UniFirst Corporation
Wilmington, Massachusetts

GEI Consultants

50 TUFTS STREET SITE

Project 04516-2 | November 2007 | Fig. 2

N:\04516\#Drafting\045160-2\RMR No 7a\045160-2- RMR No 7a - 02.dwg

GENERAL NOTES:

1. BUILDINGS, STREET, AND PROPERTY LINES BASED ON SOMERVILLE ASSESSORS MAPS.
2. CAPUANO CENTER BUILDING IS BASED ON DRAWING A0.2 FROM THE ARCHITECTURAL BID SET OF "THE EDGERTY EARLY CHILDHOOD DEVELOPMENT CENTER" BY HMFH ARCHITECTS, INC., DATED AUGUST 10, 2001.

MICHAEL E. CAPUANO
EARLY CHILDHOOD CENTER

GYMNASIUM

CAFETERIA

KITCHEN

121A 121 125A 125 133A 133 137A 137 141A 141 145A 145

122 122A 126 126A 134 134A 138 138A 142 142A 146 146A

GLEN STREET

DELL STREET

MORTON STREET

KNOWLTON STREET

6 153-155 159 163 154-152 156 21 19-19A 15-17 13 32 11 162-164 35-37 31-33 29

0 40 80
APPROXIMATE SCALE, FEET

Remedial Monitoring Report No. 7a
50 Tufts Street
Somerville, Massachusetts

UniFirst Corporation
Wilmington, Massachusetts

GEI Consultants

CAPUANO CENTER
SITE PLAN

Project 04516-2 | November 2007 | Fig. 3

N:\04516\#Drafting\045160-2\RMR No 7a\045160-2- RMR No 7a - 03.dwg

GEI Consultants

Geotechnical
Environmental and
Water Resources
Engineering

ATTACHMENT A

BWSC105, BWSC105A and BWSC105B

Massachusetts Department of Environmental Protection

eDEP Transaction Copy

Here is the file you requested for your records.

To retain a copy of this file you must save and/or print.

Username: **JHAWKER**

Transaction ID: **155240**

Document: **BWSC 105 IRA**

Size of File: **190.894 K**

Status of Transaction: **SUBMITTED**

Date and Time Created: **11/9/2007::9:34:27 AM**

Note: This file only includes forms that were part of your transaction as of the date and time indicated above. If you need a more current copy of your transaction, return to eDEP and select to “Download a Copy” from the Current Submittals page.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 23246

A. RELEASE OR THREAT OF RELEASE LOCATION:

1. Release Name/Location Aid: 50 TUFTS ST & PROP ACROSS THE ST

2. Street Address: 50 TUFTS ST

3. City/Town: SOMERVILLE 4. ZIP Code: 02145-4129

5. UTM Coordinates: a. UTM N: 4694322 b. UTM E: 328049

☑ 6. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
☐ a. Tier IA ☐ b. Tier IB ☑ c. Tier IC ☐ d. Tier II

☐ 7. Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114. Specify Program (check one):
☐ a. CERCLA ☐ b. HSWA Corrective Action ☐ c. Solid Waste Management
☐ d. RCRA State Program (21C Facilities)

B. THIS FORM IS BEING USED TO: (check all that apply)

1. List Submittal Date of Initial IRA Written Plan (if previously submitted): 1/9/2006 (mm/dd/yyyy)

☐ 2. Submit an **Initial IRA Plan.**

☐ 3. Submit a **Modified IRA Plan** of a previously submitted written IRA Plan.

☐ 4. Submit an **Imminent Hazard Evaluation.** (check one)
☐ a. An Imminent Hazard exists in connection with this Release or Threat of Release.
☐ b. An Imminent Hazard does not exist in connection with this Release or Threat of Release.
☐ c. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release, and further assessment activities will be undertaken.
☐ d. It is unknown whether an Imminent Hazard exists in connection with this Release or Threat of Release. However, response actions will address those conditions that could pose an Imminent Hazard.

☐ 5. Submit a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard**.

☐ 6. Submit an **IRA Status Report.**

☑ 7. Submit a **Remedial Monitoring Report.** (This report can only be submitted through eDEP.)

a. Type of Report: (check one) ☐ i. Initial Report ☑ ii. Interim Report ☐ iii. Final Report

b. Frequency of Submittal: (check all that apply)

☑ i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
☑ ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
☐ iii. A Remedial Monitoring Report(s) submitted concurrent with a IRA Status Report.

c. Number of Remedial Systems and/or Monitoring Programs: 2

A separate BWSC105A, IRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 23246

B. THIS FORM IS BEING USED TO (cont.): (check all that apply)

☐ 8. Submit an **IRA Completion Statement.**

☐ a. Check here if future response actions addressing this Release or Threat of Release notification condition will be conducted as part of the Response Actions planned or ongoing at a Site that has already been Tier Classified under a different Release Tracking Number (RTN) . When linking RTNs, rescoring via the NRS is required if there is a reasonable likelihood that the addition of the new RTN(s) would change the classification of the site.

b. Provide Release Tracking Number of Tier Classified Site (Primary RTN): ☐ - ☐

These additional response actions must occur according to the deadlines applicable to the Primary RTN. Use the Primary RTN when making all future submittals for the site unless specifically relating to this Immediate Response Action.

☐ 9. Submit a **Revised IRA Completion Statement.**

(All sections of this transmittal form must be filled out unless otherwise noted above)

C. RELEASE OR THREAT OF RELEASE CONDITIONS THAT WARRANT IRA:

1. Identify Media Impacted and Receptors Affected: (check all that apply)

☑ a. Air ☑ b. Basement ☑ c. Critical Exposure Pathway ☑ d. Groundwater ☑ e. Residence

☐ f. Paved Surface ☐ g. Private Well ☐ h. Public Water Supply ☑ i. School ☐ j. Sediments

☐ k. Soil ☐ l. Storm Drain ☐ m. Surface Water ☐ n. Unknown ☐ o. Wetland ☐ p. Zone 2

☐ q. Others Specify: _____

2. Identify Oils and Hazardous Materials Released: (check all that apply)

☐ a. Oils ☑ b. Chlorinated Solvents ☐ c. Heavy Metals

☐ d. Others Specify: _____

_____

D. DESCRIPTION OF RESPONSE ACTIONS: (check all that apply, for volumes list cumulative amounts)

☐ 1. Assessment and/or Monitoring Only
☐ 2. Temporary Covers or Caps
☐ 3. Deployment of Absorbent or Containment Materials
☐ 4. Temporary Water Supplies
☐ 5. Structure Venting System
☐ 6. Temporary Evacuation or Relocation of Residents
☐ 7. Product or NAPL Recovery
☐ 8. Fencing and Sign Posting
☐ 9. Groundwater Treatment Systems
☑ 10. Soil Vapor Extraction
☐ 11. Bioremediation
☐ 12. Air Sparging

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 23246

D. DESCRIPTION OF RESPONSE ACTIONS (cont.): (check all that apply, for volumes list cumulative amounts)

☑ 13. Excavation of Contaminated Soils

☑ a. Re-use, Recycling or Treatment ☐ i. On Site Estimated volume in cubic yards _____

☑ ii. Off Site Estimated volume in cubic yards 61

iia. Receiving Facility: STABLEX; QUEBEC CANADA Town: BOSTON State: MA

iib. Receiving Facility: _____ Town: _____ State: _____

iii. Describe: _____

☐ b. Store ☐ i. On Site Estimated volume in cubic yards _____

☐ ii. Off Site Estimated volume in cubic yards _____

iia. Receiving Facility: _____ Town: _____ State: _____

iib. Receiving Facility: _____ Town: _____ State: _____

☐ c. Landfill

☐ i. Cover Estimated volume in cubic yards _____

Receiving Facility: _____ Town: _____ State: _____

☐ ii. Disposal Estimated volume in cubic yards _____

Receiving Facility: _____ Town: _____ State: _____

☐ 14. Removal of Drums, Tanks or Containers:

a. Describe Quantity and Amount: _____

b. Receiving Facility: _____ Town: _____ State: _____

c. Receiving Facility: _____ Town: _____ State: _____

☑ 15. Removal of Other Contaminated Media:

a. Specify Type and Volume: SPENT GRANULAR ACTIVATED CARBON 8,000 LBS

b. Receiving Facility: RINECO Town: BENTON State: AR

c. Receiving Facility: _____ Town: _____ State: _____

☑ 16. Other Response Actions:

Describe: TEMPORARY AIR PURIFIERS AND/OR SUB-SLAB DEPRESSURIZATION SYSTEMS

☐ 17. Use of Innovative Technologies:

Describe: _____

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number
3 - 23246

E. LSP SIGNATURE AND STAMP:

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> *if Section B of this form indicates that an **Immediate Response Action Plan** is being submitted*, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B of this form indicates that an **Imminent Hazard Evaluation** is being submitted*, this Imminent Hazard Evaluation was developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) undertaken to support this Imminent Hazard Evaluation comply(ies) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;

> *if Section B of this form indicates that an **Immediate Response Action Status Report** and/or a **Remedial Monitoring Report** is(are) being submitted*, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> *if Section B of this form indicates that an **Immediate Response Action Completion Statement** or a request to **Terminate an Active Remedial System or Response Action(s) Taken to Address an Imminent Hazard** is being submitted*, the response action(s) that is(are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is(are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 9719

2. First Name: ILEEN S 3. Last Name: GLADSTONE

4. Telephone: 7817214012 5. Ext.: 6. FAX:

7. Signature: ILEEN S GLADSTONE

8. Date: 11/09/2007
(mm/dd/yyyy)

9. LSP Stamp:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 23246

F. PERSON UNDERTAKING IRA:

1. Check all that apply: ☐ a. change in contact name ☐ b. change of address ☐ c. change in the person undertaking response actions

2. Name of Organization: UNIFIRST CORP

3. Contact First Name: JOHN R 4. Last Name: BADEY

5. Street: 68 JONSPIN RD . 6. Title:

7. City/Town: WILMINGTON 8. State: MA 9. ZIP Code: 01887-0000

10. Telephone: 8003477888 11. Ext.: 12. FAX:

G. RELATIONSHIP TO RELEASE OR THREAT OF RELEASE OF PERSON UNDERTAKING IRA:

☑ 1. RP or PRP ☐ a. Owner ☐ b. Operator ☐ c. Generator ☐ d. Transporter

☑ e. Other RP or PRP Specify: OTHER PRPS

☐ 2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ 3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ 4. Any Other Person Undertaking IRA Specify Relationship: _____

H. REQUIRED ATTACHMENT AND SUBMITTALS:

☐ 1. Check here if any Remediation Waste, generated as a result of this IRA, will be stored, treated, managed, recycled or reused at the site following submission of the IRA Completion Statement. If this box is checked, you must submit one of the following plans, along with the appropriate transmittal form.

☐ a. A Release Abatement Measure (RAM) Plan (BWSC106) ☐ b. Phase IV Remedy Implementation Plan (BWSC108)

☐ 2. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

☑ 3. Check here to certify that the Chief Municipal Officer and the Local Board of Health were notified of the implementation of an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.

☐ 4. Check here to certify that the Chief Municipal Officer and the Local Board of Health were notified of the submittal of a Completion Statement for an Immediate Response Action taken to control, prevent, abate or eliminate an Imminent Hazard.

☐ 5. Check here if any non-updatable information provided on this form is incorrect, e.g. Release Address/Location Aid. Send corrections to the DEP Regional Office.

☑ 6. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105

IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM

Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart D)

Release Tracking Number: 3 - 23246

I. CERTIFICATION OF PERSON UNDERTAKING IRA:

1. I, JOHN R. BADEY, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: JOHN R. BADEY (Signature) 3. Title:

4. For: UNIFIRST CORP (Name of person or entity recorded in Section F) 5. Date: 11/08/2007 (mm/dd/yyyy)

☐ 6. Check here if the address of the person providing certification is different from address recorded in Section F.

7. Street: _____

8. City/Town: _____ 9. State: _____ 10. ZIP Code: _____

11. Telephone: _____ 12. Ext.: _____ 13. FAX: _____

YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO $10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.

Date Stamp (DEP USE ONLY:)

Received by DEP on

11/9/2007 9:20:21 AM

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number: 3 - 23246

Remedial System or Monitoring Program: 1 of: 2

A. DESCRIPTION OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM:

1. Type of Active Remedial System or Active Remedial Monitoring Program: (check all that apply)

☑ a. Active Remedial System: (check all that apply)

☐ i. NAPL Recovery ☐ ii. Soil Vapor Extraction/Bioventing ☐ iii. Vapor-phase Carbon Adsorption

☐ iv. Groundwater Recovery ☐ v. Dual/Multi-phase Extraction ☐ vi. Aqueous-phase Carbon Adsorption

☐ vii. Air Stripping ☐ viii. Sparging/Biosparging ☐ ix. Cat/Thermal Oxidation

☑ x. Other Describe: **SUB-SLAB DEPRESSURIZATION SYSTEM**

☐ b. Application of Remedial Additives: (check all that apply)

☐ i. To the Subsurface ☐ ii. To Groundwater (Injection) ☐ iii. To the Surface

☐ c. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section F5)

☐ i. Reactive Wall ☐ ii. Natural Attenuation ☐ iii. Other Describe: _____

2. Mode of Operation: (check one)

☑ a. Continuous ☐ b. Intermittent ☐ c. Pulsed ☐ d. One-time Event Only ☐ e. Other:

3. System Effluent/Discharge: (check all that apply)

☐ a. Sanitary Sewer/POTW

☐ b. Groundwater Re-infiltration/Re-injection: (check one) ☐ i. Downgradient ☐ ii. Upgradient

☑ c. Vapor-phase Discharge to Ambient Air: (check one) ☐ i. Off-gas Controls ☑ ii. No Off-gas Controls

☐ d. Drinking Water Supply

☐ e. Surface Water (including Storm Drains)

☐ f. Other Describe:

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: 10/1/2007 (mm/dd/yyyy) To: 10/31/2007 (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)

☐ a. System Startup: (if applicable)

☐ i. Days 1, 3, 6, and then weekly thereafter, for the first month.

☐ ii. Other Describe: _____

☑ b. Post-system Startup (after first month) or Monitoring Program:

☐ i. Monthly

☐ ii. Quarterly

☑ iii. Other Describe: **TOTAL VOC -- WEEKLY, INDOOR AIR -- MONTHLY**

☐ 3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

☐ 1. NPDES: (check one) ☐ a. Remediation General Permit ☐ b. Individual Permit ☐ c. Emergency Exclusion Effective Date of Permit: (mm/dd/yyyy)

☑ 2. MCP Performance Standard MCP Citations(s): **WSC-94-150**

☐ 3. DEP Approval Letter Date of Letter: (mm/dd/yyyy)

☐ 4. Other Describe:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105 A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Remedial System or Monitoring Program: 1 of: 2

Release Tracking Number: 3 - 23246

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

☐ 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.

a. Name: b. Grade:

c. License No.: d. License Exp. Date: (mm/dd/yyyy)

☐ 2. Not Required

☑ 3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (check all that apply)

☑ 1. The Active Remedial System was functional one or more days during the Reporting Period.

a. Days System was Fully Functional: 30 b. GW Recovered (gals):

c. NAPL Recovered (gals): d. GW Discharged (gals):

e. Avg. Soil Gas Recovery Rate (scfm): 109 f. Avg. Sparging Rate (scfm) :

☐ 2. Remedial Additives: (check all that apply)

☐ a. No Remedial Additives applied during the Reporting Period.

☐ b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Nitrogen/Phosphorus:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Microorganisms:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

☐ c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Permanganates:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Persulfates:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number: 3 - 23246

Remedial System or Monitoring Program: 1 of: 2

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.) (check all that apply)

☐ d. Other additives applied: (total quantity applied at the site for the current reporting period)

Name of Additive	Date	Quantity	Units

Name of Additive	Date	Quantity	Units

☐ e. Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

☐ 1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: _____ b. Total Number of Days of Unscheduled Shutdowns: _____

c. Reason(s) for Unscheduled Shutdowns: _____

☐ 2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: _____ b. Total Number of Days of Scheduled Shutdowns: _____

c. Reason(s) for Scheduled Shutdowns: _____

☐ 3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: _____ (mm/dd/yyyy)

☐ b. No Further Effluent Discharges.

☐ c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

☐ d. No Further Submittals Planned.

☐ e. Other: Describe: _____

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

☑ 1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

☑ 2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

☑ 3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

☑ 5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105B

Release Tracking Number
3 - 23246

IRA REMEDIAL MONITORING REPORT
EFFLUENT/DISCHARGE CONCENTRATIONS

Pursuant to 310 CMR 40.0400 (SUBPART D)

Remedial System or Monitoring Program: 1 of: 2

For each Point of Measurement, indicate the highest concentration detected during the reporting period, of each oil, hazardous material and/or remedial additive.

Point of Measurement	Date (mm/dd/yyyy)	Contaminant, Measurement and/or Indicator Parameter	Influent Concentraion (where applicable)	Midpoint Concentration (where applicable)	(check one) ☑ Discharge ☐ Groundwater Concentration	Check here, if ND/BDL	Permissible Concentration	Units	Within Permissible Limits? (Y/N)
SSDS	10/05/2007	TOTAL VOCS	0.420		0.400	☐	28.000	ppm	Yes
SSDS	10/08/2007	TOTAL VOCS	0.136		0.123	☐	28.000	ppm	Yes
SSDS	10/26/2007	TOTAL VOCS	0.080		0.087	☐	28.000	ppm	Yes
						☐			
						☐			
						☐			
						☐			
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☐ Check here if an additional BWSC105B, Effluent/Discharge Concentrations Form, is needed.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number: 3 - 23246

Remedial System or Monitoring Program: 2 of: 2

A. DESCRIPTION OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM:

1. Type of Active Remedial System or Active Remedial Monitoring Program: (check all that apply)

☑ a. Active Remedial System: (check all that apply)

☐ i. NAPL Recovery ☐ ii. Soil Vapor Extraction/Bioventing ☐ iii. Vapor-phase Carbon Adsorption

☐ iv. Groundwater Recovery ☐ v. Dual/Multi-phase Extraction ☐ vi. Aqueous-phase Carbon Adsorption

☐ vii. Air Stripping ☐ viii. Sparging/Biosparging ☐ ix. Cat/Thermal Oxidation

☑ x. Other Describe: **SUB-SLAB DEPRESSURIZATION SYSTEM**

☐ b. Application of Remedial Additives: (check all that apply)

☐ i. To the Subsurface ☐ ii. To Groundwater (Injection) ☐ iii. To the Surface

☐ c. Active Remedial Monitoring Program Without the Application of Remedial Additives: (check all that apply; Sections C, D and E are not required; attach supporting information, data, maps and/or sketches needed by checking Section F5)

☐ i. Reactive Wall ☐ ii. Natural Attenuation ☐ iii. Other Describe:

2. Mode of Operation: (check one)

☑ a. Continuous ☐ b. Intermittent ☐ c. Pulsed ☐ d. One-time Event Only ☐ e. Other:

3. System Effluent/Discharge: (check all that apply)

☐ a. Sanitary Sewer/POTW

☐ b. Groundwater Re-infiltration/Re-injection: (check one) ☐ i. Downgradient ☐ ii. Upgradient

☑ c. Vapor-phase Discharge to Ambient Air: (check one) ☐ i. Off-gas Controls ☑ ii. No Off-gas Controls

☐ d. Drinking Water Supply

☐ e. Surface Water (including Storm Drains)

☐ f. Other Describe:

B. MONITORING FREQUENCY:

1. Reporting period that is the subject of this submittal: From: 10/1/2007 (mm/dd/yyyy) To: 10/31/2007 (mm/dd/yyyy)

2. Number of monitoring events during the reporting period: (check one)

☐ a. System Startup: (if applicable)

☐ i. Days 1, 3, 6, and then weekly thereafter, for the first month.

☐ ii. Other Describe:

☑ b. Post-system Startup (after first month) or Monitoring Program:

☐ i. Monthly

☐ ii. Quarterly

☑ iii. Other Describe: **YEARLY**

☐ 3. Check here to certify that the number of required monitoring events were conducted during the reporting period.

C. EFFLUENT/DISCHARGE REGULATION: (check one to indicate how the effluent/discharge limits were established)

☐ 1. NPDES: (check one) ☐ a. Remediation General Permit ☐ b. Individual Permit ☐ c. Emergency Exclusion Effective Date of Permit: (mm/dd/yyyy)

☑ 2. MCP Performance Standard MCP Citations(s): **WSC-94-150**

☐ 3. DEP Approval Letter Date of Letter: (mm/dd/yyyy)

☐ 4. Other Describe:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number: 3 - 23246

Remedial System or Monitoring Program: 2 of: 2

D. WASTEWATER TREATMENT PLANT OPERATOR: (check one)

☐ 1. Required due to Remedial Wastewater Treatment Plant in place for more than 30 days.

a. Name: b. Grade:

c. License No.: d. License Exp. Date: (mm/dd/yyyy)

☐ 2. Not Required

☑ 3. Not Applicable

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (check all that apply)

☑ 1. The Active Remedial System was functional one or more days during the Reporting Period.

a. Days System was Fully Functional: 30 b. GW Recovered (gals):

c. NAPL Recovered (gals): d. GW Discharged (gals):

e. Avg. Soil Gas Recovery Rate (scfm): 95 f. Avg. Sparging Rate (scfm) :

☐ 2. Remedial Additives: (check all that apply)

☐ a. No Remedial Additives applied during the Reporting Period.

☐ b. Enhanced Bioremediation Additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Nitrogen/Phosphorus:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Microorganisms:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

☐ c. Chemical oxidation/reduction additives applied: (total quantity applied at the site for the current reporting period)

☐ i. Permanganates:

Name of Additive	Date	Quantity	Units

☐ ii. Peroxides:

Name of Additive	Date	Quantity	Units

☐ iii. Persulfates:

Name of Additive	Date	Quantity	Units

☐ iv. Other:

Name of Additive	Date	Quantity	Units

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC105A

IRA REMEDIAL MONITORING REPORT

Pursuant to 310 CMR 40.0400 (SUBPART D)

Release Tracking Number: 3 - 23246

Remedial System or Monitoring Program: 2 of: 2

E. STATUS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM DURING REPORTING PERIOD: (cont.) (check all that apply)

☐ d. Other additives applied: (total quantity applied at the site for the current reporting period)

Name of Additive	Date	Quantity	Units

Name of Additive	Date	Quantity	Units

☐ e. Check here if any additional Remedial Additives were applied. Attach list of additional additives and include Name of Additive, Date Applied, Quantity Applied and Units (in gals. or lbs.)

F. SHUTDOWNS OF ACTIVE REMEDIAL SYSTEM OR ACTIVE REMEDIAL MONITORING PROGRAM: (check all that apply)

☐ 1. The Active Remedial System had unscheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Unscheduled Shutdowns: _____ b. Total Number of Days of Unscheduled Shutdowns: _____

c. Reason(s) for Unscheduled Shutdowns: _____

☐ 2. The Active Remedial System had scheduled shutdowns on one or more occasions during the Reporting Period.

a. Number of Scheduled Shutdowns: _____ b. Total Number of Days of Scheduled Shutdowns: _____

c. Reason(s) for Scheduled Shutdowns: _____

☐ 3. The Active Remedial System or Active Remedial Monitoring Program was permanently shutdown/discontinued during the Reporting Period.

a. Date of Final System or Monitoring Program Shutdown: _____ (mm/dd/yyyy)

☐ b. No Further Effluent Discharges.

☐ c. No Further Application of Remedial Additives planned; sufficient monitoring completed to demonstrate compliance with 310 CMR 40.0046.

☐ d. No Further Submittals Planned.

☐ e. Other: Describe: _____

G. SUMMARY STATEMENTS: (check all that apply for the current reporting period)

☑ 1. All Active Remedial System checks and effluent analyses required by the approved plan and/or permit were performed when applicable.

☑ 2. There were no significant problems or prolonged (>25% of reporting period) unscheduled shutdowns of the Active Remedial System.

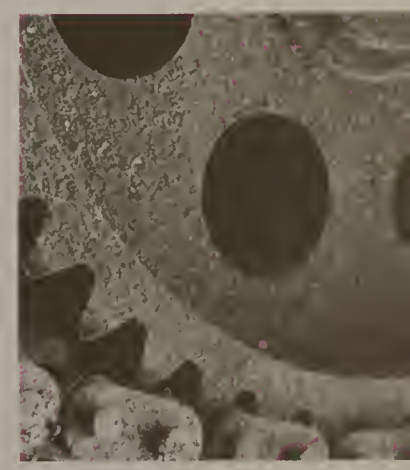
☑ 3. The Active Remedial System or Active Remedial Monitoring Program operated in conformance with the MCP, and all applicable approval conditions and/or permits.

4. Indicate any Operational Problems or Notes:

☑ 5. Check here if additional/supporting Information, data, maps, and/or sketches are attached to the form.

GEI Consultants

Geotechnical
Environmental and
Water Resources
Engineering



ATTACHMENT B

Weekly Mechanical Inspection Logs for Capuano Center

Weekly Mechanical Inspection Log for Capuano Center

GENERAL INFORMATION			
GEI Field Representatives:	S. Slater		
Date:	10/05/07	Start-time of monitoring work:	13:30
Weather:	sunny 85°F	End-time of monitoring work:	14:00
		System Status:	ON

INSTRUMENTATION INFORMATION		
Instrument	PID (ppb)	Manometer (in H_20)
Manufacturer	Pro-Rae Systems	Dwyer
Model	ppb-RAE	Mark III-475-0000 Series
GEI Identification No.	PINE	NA
Calibrant	10 ppm Isobutylene	NA
Successful Calibration	Yes	Zeroed before each reading

FIELD MEASUREMENTS			
Shed Secure?	YES	Discharge Pressure Port	
Condensate Accumulated?	NO	Velocity (ft/min)	NM
		Pipe Diameter (ft)	0.33
Condensate Drained?	N/A	Average Flow Rate (cfm)	NM

Shed Pressure/VOC Measurements

Port ID	Typical Pressure Range	Pressure (in. H_2O)	Typcial Range of VOCs	VOC (ppb)
Manifold 12	-0.300 to -0.500	-0.342	0 to 2000	700
Maniforld 13	-0.300 to -0.500	-0.386	0 to 5000	540
Manifold 14	-0.300 to -0.500	-0.356	0 to 2000	530
Combined Influent	-0.600 to -0.700	-0.651	0 to 2000	420
Effluent	0.480 to 0.600	0.551	0 to 2000	400

Comments

Notes:

1. Manifold 12 is the manifold pipe for rooms 122 and 126. Manifold 13 is the manifold pipe for rooms 134 and 138. Manifold 14 is the manifold pipe for rooms 142 and 146.
2. ppb = parts per billion.
3. ppm = parts per million.
4. in. H_2O = inches of water column.
5. ft/min = feet per minute.
6. cfm = cubic feet per minute.
7. NA = Not Applicable.
8. NM = Not Measured.

GENERAL INFORMATION

			Exterior	Interior
GEI Field Representatives:	S. Slater	Start-time of monitoring work:	15:00	14:30
Date:	10/08/07	End-time of monitoring work:	16:15	14:50
Weather:	overcast, 60°	System Status:		

INSTRUMENTATION INFORMATION

Instrument	Manufacturer	Model	GEI Identification No.	Calibrant	Successful Calibration
PID (ppb)	Pro-Rae Systems	ppb-RAE	PINE	10 ppm Isobutylene	Yes
Manometer (in H_20)	Dwyer	Mark III-475-0000-FM	NA	NA	Zeroed before each reading

FIELD MEASUREMENTS

Exterior Extraction Monitoring Points

Monitoring Point Identification	Manometer Reading (in. H_2O)	PID Reading (ppb)
122-1	-0.235	0
122-2	-0.239	0
122-3	-0.238	0
126-1	-0.254	0
126-2	-0.225	0
126-3	-0.277	0
134-1	-0.355	0
134-2	-0.372	0
134-3	-0.336	0
138-1	-0.370	385
138-2	-0.371	202
138-3	NM	NM
142-1	-0.265	195
142-2	-0.265	170
142-3	-0.256	720
146-1	-0.235	9
146-2	-0.232	85
146-3	-0.236	53

System Configuration

Extraction Point Valve Identification	Status (on/off?)
122-1	ON
122-2	ON
122-3	ON
126-1	ON
126-2	ON
126-3	ON
134-1	ON
134-2	ON
134-3	ON
138-1	ON
138-2	ON
138-3	ON
142-1	ON
142-2	ON
142-3	ON
146-1	ON
146-2	ON
146-3	ON

Interior Sub-Slab Monitoring Points

Monitoring Point Identification	Manometer Reading (in. H_2O)	PID Reading (ppb)
Room 122A	-0.015	45
Room 126A	0.000	71
Room 133A	0.000	40
Room 137A	0.000	22
Room 142A	-0.006	16
Room 146A	-0.013	20

Interior Ambient Air Measurements

Classroom	PID Reading (ppb)
122	0
126	0
134	0
138	0
133	0
137	0
142	0
146	0

Blower Enclosure Monitoring Points

	Manometer Reading (in. H_2O)	PID Reading (ppb)
Manifold 12[1]	-0.36	177
Manifold 13[1]	-0.374	140
Manifold 14[1]	-0.348	175
Combined Influent	-0.656	136
Effluent	0.55	123

Blower Condensation Cleanout? NA

Influent Flow

Velocity (ft/min)	NM
Pipe Diameter (ft)	0.33
Avg Flow Rate (cfm)	NM

Notes:

1. Manifold 12 is the manifold pipe for rooms 122 and 126. Manifold 13 is the manifold pipe for rooms 134 and 138. Manifold 14 is the manifold pipe for rooms 142 and 146.
2. PID = photoionization detector.
3. ppb = parts per billion.
4. ppm = parts per million.
5. in. H_2O = inches of water column.
6. ft/min = feet per minute.
7. cfm = cubic feet per minute.
8. NA = Not Applicable.
9. NM = Not Measured.

Capuano Center Sub-Slab Depressurization System Field Monitoring Form

GENERAL INFORMATION

GEI Field Representatives: R. Siegener

Date: 10/14/07

Weather: Sunny, Windy, ~60°

	Exterior	Interior
Start-time of monitoring work:	15:20	15:40
End-time of monitoring work:	15:45	16:25
System Status:		

INSTRUMENTATION INFORMATION

Instrument	Manufacturer	Model	GEI Identification No.	Calibrant	Successful Calibration
PID (ppb)	Pro-Rae Systems	ppb-RAE	PINE	10 ppm Isobutylene	Yes
Manometer (in H_20)	Dwyer	Mark III-475-0000-FM	NA	NA	Zeroed before each reading

FIELD MEASUREMENTS

Exterior Extraction Monitoring Points

Monitoring Point Identification	Manometer Reading (in. H_2O)	PID Reading (ppb)
122-1	-0.262	238
122-2	-0.260	214
122-3	-0.261	204
126-1	-0.300	226
126-2	-0.239	245
126-3	-0.299	238
134-1	-0.390	159
134-2	-0.415	123
134-3	-0.380	216
138-1	-0.410	223
138-2	-0.400	44
138-3	-0.387	278
142-1	-0.296	305
142-2	-0.301	213
142-3	-0.286	230
146-1	-0.269	298
146-2	-0.263	226
146-3	-0.264	245

System Configuration

Extraction Point Valve Identification	Status (on/off?)
122-1	ON
122-2	ON
122-3	ON
126-1	ON
126-2	ON
126-3	ON
134-1	ON
134-2	ON
134-3	ON
138-1	ON
138-2	ON
138-3	ON
142-1	ON
142-2	ON
142-3	ON
146-1	ON
146-2	ON
146-3	ON

Interior Sub-Slab Monitoring Points

Monitoring Point Identification	Manometer Reading (in. H_2O)	PID Reading (ppb)
Room 122A	NM	NM
Room 126A	0.000	231
Room 133A	0.000	321
Room 137A	0.000	1245
Room 142A	-0.006	268
Room 146A	-0.004	80

Interior Ambient Air Measurements

Classroom	PID Reading (ppb)
122	6
126	26
134	0
138	18
133	5
137	18
142	14
146	24

Blower Enclosure Monitoring Points

	Manometer Reading (in. H_2O)	PID Reading (ppb)
Manifold 12[1]	NM	NM
Manifold 13[1]	NM	NM
Manifold 14[1]	NM	NM
Combined Influent	NM	NM
Effluent	NM	NM

Blower Condensation Cleanout? No

Influent Flow

Velocity (ft/min)	NM
Pipe Diameter (ft)	0.33
Avg Flow Rate (cfm)	NM

Notes:

1. Manifold 12 is the manifold pipe for rooms 122 and 126. Manifold 13 is the manifold pipe for rooms 134 and 138. Manifold 14 is the manifold pipe for rooms 142 and 146.
2. PID = photoionization detector.
3. ppb = parts per billion.
4. ppm = parts per million.
5. in. H_2O = inches of water column.
6. ft/min = feet per minute.
7. cfm = cubic feet per minute.
8. NA = Not Applicable.
9. NM = Not Measured.

Weekly Mechanical Inspection Log for Capuano Center

GENERAL INFORMATION			
GEI Field Representatives:	T. Daigle C. Malagrida		
		Start-time of monitoring work:	8:00
Date:	10/26/07	End-time of monitoring work:	9:30
Weather:	sunny, 50's	System Status:	ON

INSTRUMENTATION INFORMATION		
Instrument	PID (ppb)	Manometer (in H_20)
Manufacturer	Pro-Rae Systems	Dwyer
Model	ppb-RAE	Mark III-475-0000 Series
GEI Identification No.	PINE	NA
Calibrant	10 ppm Isobutylene	NA
Successful Calibration	Yes	Zeroed before each reading

FIELD MEASUREMENTS			
Shed Secure?	YES	**Discharge Pressure Port**	
Condensate Accumulated?	NO	**Velocity (ft/min)**	1,400
		Pipe Diameter (ft)	0.33
Condensate Drained?	N/A	**Average Flow Rate (cfm)**	NM

Shed Pressure/VOC Measurements

Port ID	Typical Pressure Range	Pressure (in. H_2O)	Typcial Range of VOCs	VOC (ppb)
Manifold 12	-0.300 to -0.500	-0.379	0 to 2000	14
Maniforld 13	-0.300 to -0.500	-0.389	0 to 5000	100
Manifold 14	-0.300 to -0.500	-0.365	0 to 2000	150
Combined Influent	-0.600 to -0.700	-0.670	0 to 2000	80
Effluent	0.480 to 0.600	0.615	0 to 2000	87

Comments
PID reading 10.0 ppm on cal gas after calibration

Notes:
1. Manifold 12 is the manifold pipe for rooms 122 and 126. Manifold 13 is the manifold pipe for rooms 134 and 138. Manifold 14 is the manifold pipe for rooms 142 and 146.
2. ppb = parts per billion.
3. ppm = parts per million.
4. in. H_2O = inches of water column.
5. ft/min = feet per minute.
6. cfm = cubic feet per minute.
7. NA = Not Applicable.
8. NM = Not Measured.

CAPUANO CENTER SUB-SLAB DEPRESSURIZATION SYSTEM
PRE-SAMPLING CHECKLIST

Date: 10/14/2007 **Time Period**: 0840 - 0930 **Field Person**: R. Siegener

Building Operating Parameter Verification

1. Confirm building operating schedule (global) set to 24 hr operation	Yes
2. Confirm outdoor air for all air handling units and unit ventilators set to minimum damper position via EMS	Yes
3. Confirm general exhaust fans F2 and F5 remain off	Turned On for Negative Pressure Test
4. Confirm RTU 1 RAF is set at 50%	Turned Off for Negative Pressure Test
5. Confirm RTU 1&2, AHU 1&2 operating	Turned Off for Negative Pressure Test

Building Pressure Verification

Location Description	Time	In. H_20
Alley Side Entrance	0855	0.016 to 0.020
Alley Service Entrance	0905	0.009 to 0.013
Soccer Field Entrance	0908	0.003 to 0.018
Glen Street Entrance	0910	0.014 to 0.031
Franklin Street Exit	0914	0.015 to 0.030
Day Care Room	0917	0.013 to 0.021

Sample Location Checklist

	Rm 126	Rm 138	Rm 141	Rm 142	Rm 146
Unit ventilator operating	Yes	Yes	Yes	Yes	Yes
UV min OA damper position (EMS)	Yes	Yes	Yes	Yes	Yes
Unit ventilator fan speed	High	High	High	High	High
Windows closed	Yes	Yes	Yes	Yes	Yes
Bathroom door closed	Yes	Yes	Yes	Yes	Yes
Bathroom exhaust operating	No	No	No	No	No
Room door closed	Yes	Yes	Yes	Yes	Yes
Pressure wrt outdoors (in. H_2O)	0.009 to 0.019	0.032 to 0.036	0.015 to 0.019	0.016 to 0.022	0.011 to 0.017
Pressure wrt corridor (in. H_2O)	0.012	0.010	0.011	-0.020	0.003

CAPUANO CENTER SUB-SLAB DEPRESSURIZATION SYSTEM
PRE-SAMPLING CHECKLIST

Date: 10/8/07 **Time Period:** 0800-0900 **Field Person:** S. Slater

Building Operating Parameter Verification

1. Confirm building operating schedule (global) set to 24 hr operation	Not Confirmed – Technician not available
2. Confirm outdoor air for all air handling units and unit ventilators set to minimum damper position via EMS	Not Confirmed – Technician not available
3. Confirm general exhaust fans F2 and F5 remain off	Yes
4. Confirm RTU 1 RAF is set at 50%	Not Confirmed – Technician not available
5. Confirm RTU 1&2, AHU 1&2 operating	Not Confirmed – Technician not available

Building Pressure Verification

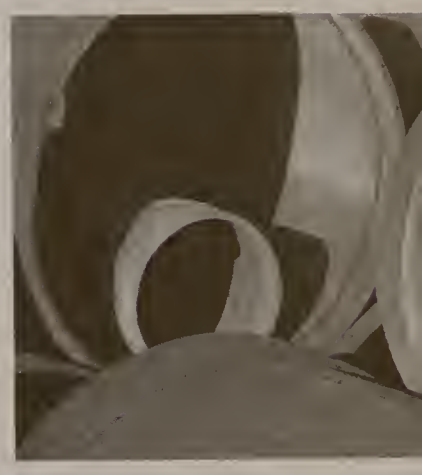
Location Description	Time	In. H_20
Franklin Street Exit	0830	-0.021
Alley Side Entrance	0832	-0.018
Alley Service Entrance	0833	-0.019
Soccer Field Entrance	0835	-0.023
Glen Street Entrance	0836	-0.019

Sample Location Checklist

	Rm 126	Rm 138	Rm 141	Rm 142	Rm146
Unit ventilator operating	Yes	Yes	Yes	Yes	Yes
UV min OA damper position (EMS)	41% - Not Confirmed	41% - Not Confirmed	41% - Not Confirmed	41% - Not Confirmed	41% - Not Confirmed
Unit ventilator fan speed	High	High	High	High	High–broken screw
Windows closed	Yes	Yes	Yes	Yes	Yes
Bathroom door closed	Yes	Yes	Yes	Yes	Yes
Bathroom exhaust operating	Yes, but very faint fan sound	Yes, but very faint fan sound	Yes, but very faint fan sound	No. Could not hear fan.	Yes
Room door closed	Yes	Yes	Yes	Yes	Yes
Pressure wrt outdoors (in. H_2O)	-0.017	-0.016	-0.016	-0.020	-0.019
Pressure wrt corridor (in. H_2O)	0.000	0.000	0.000	0.000	0.003

GEI Consultants

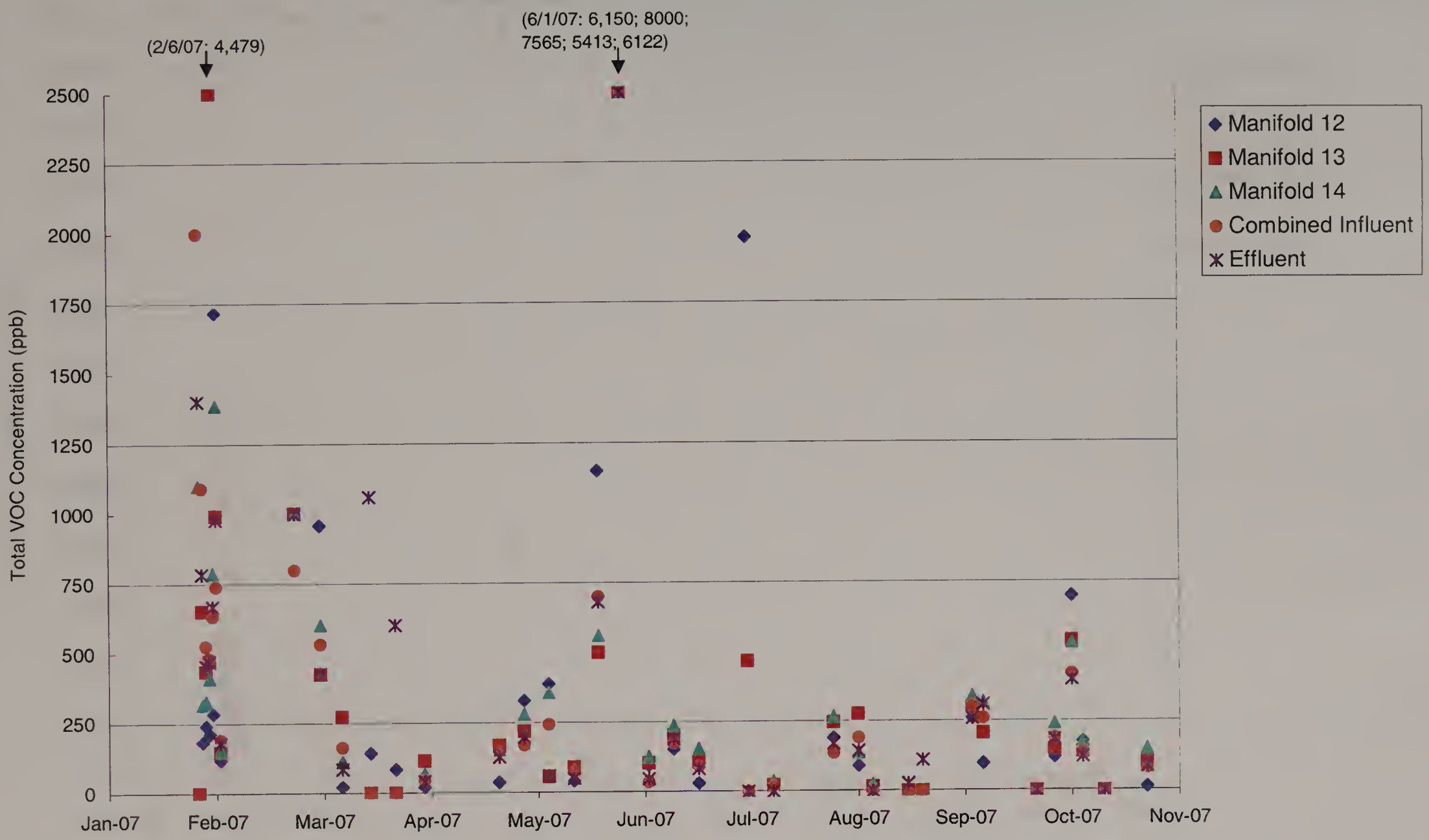
Geotechnical
Environmental and
Water Resources
Engineering



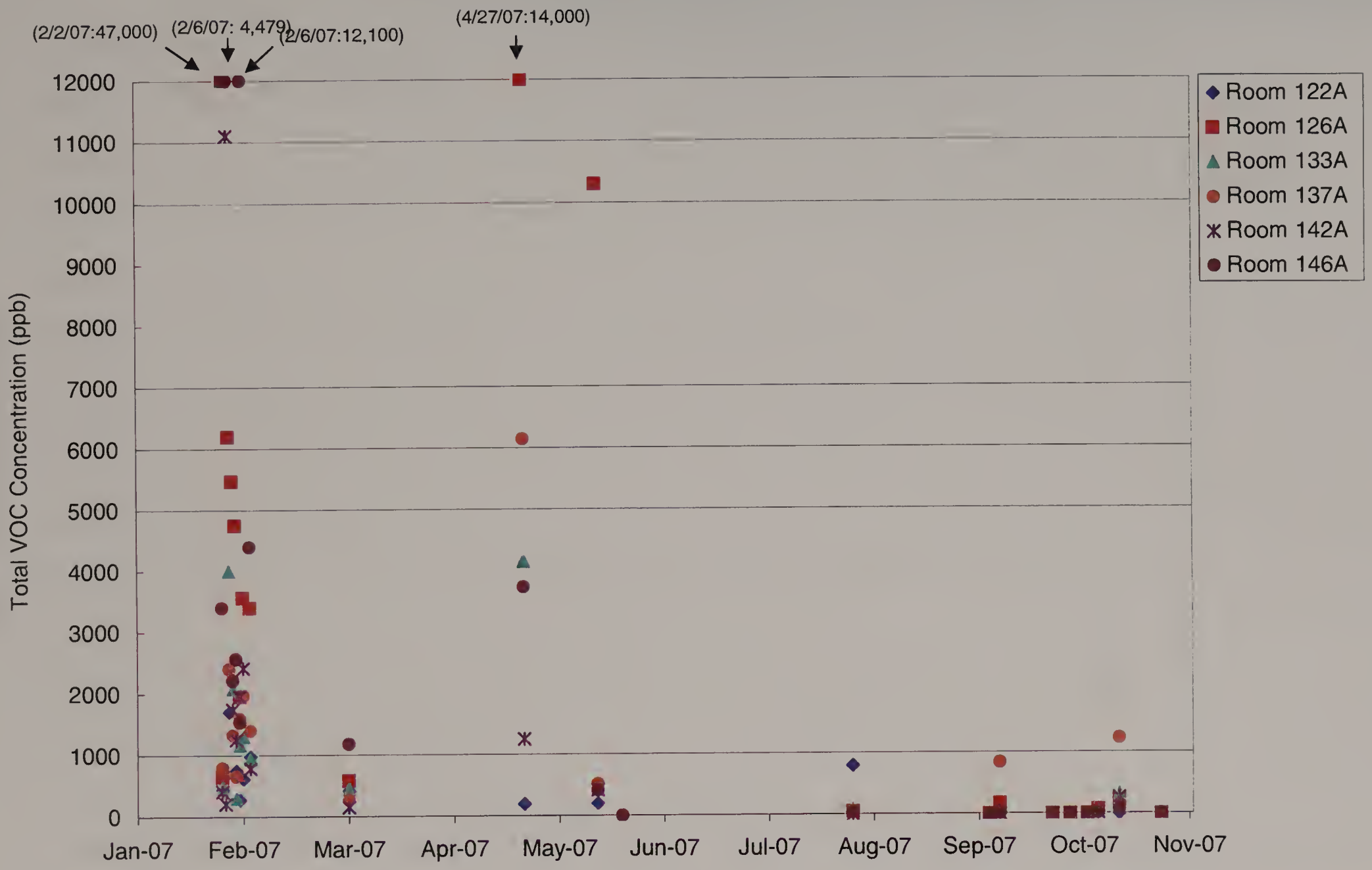
ATTACHMENT C

Graphs of SSDS and Sub-Slab Total VOC Concentrations

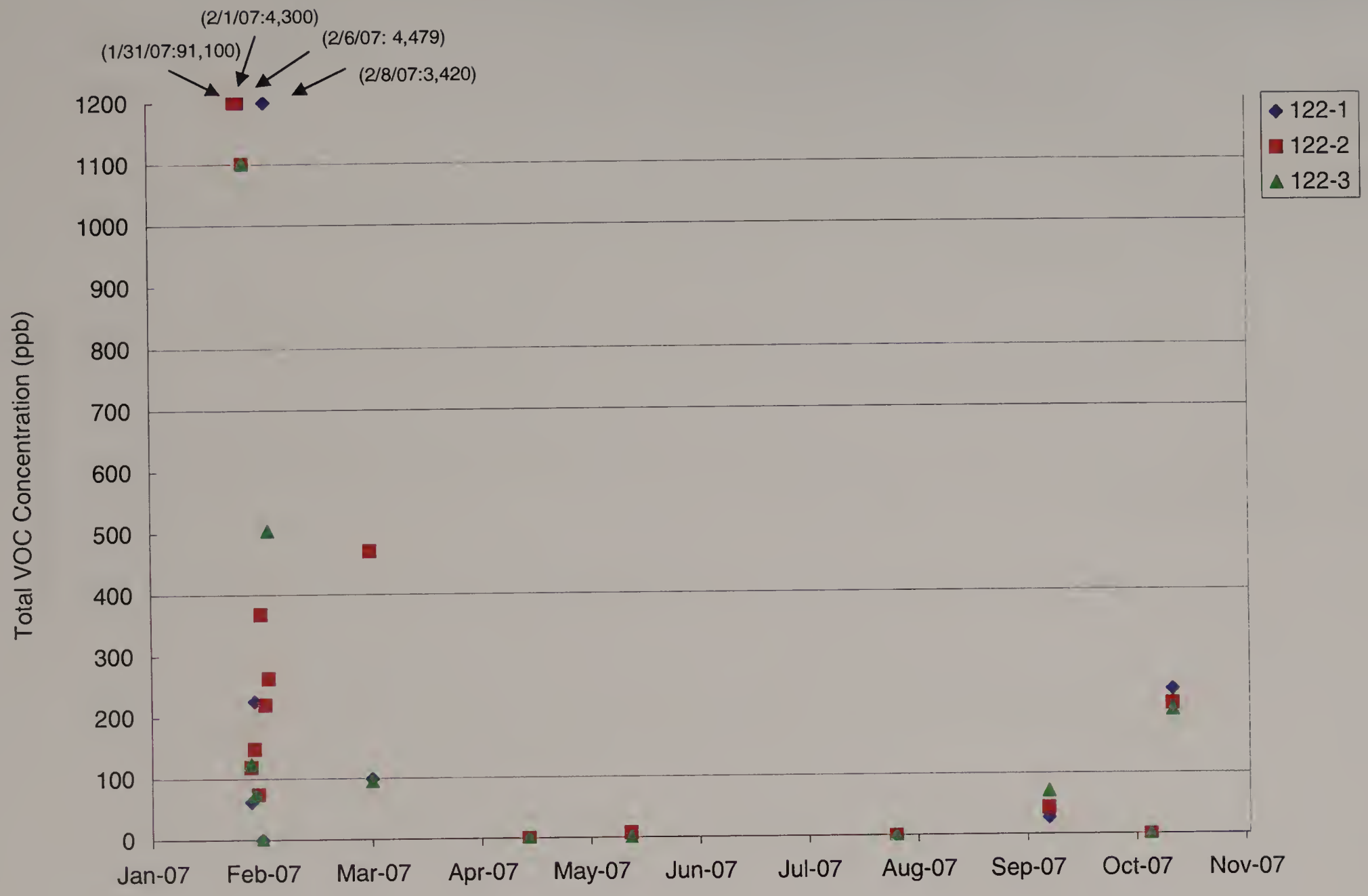
Graph 1
Sub-Slab PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Blower Enclosure Monitoring Points
Capuano Center
Somerville, MA



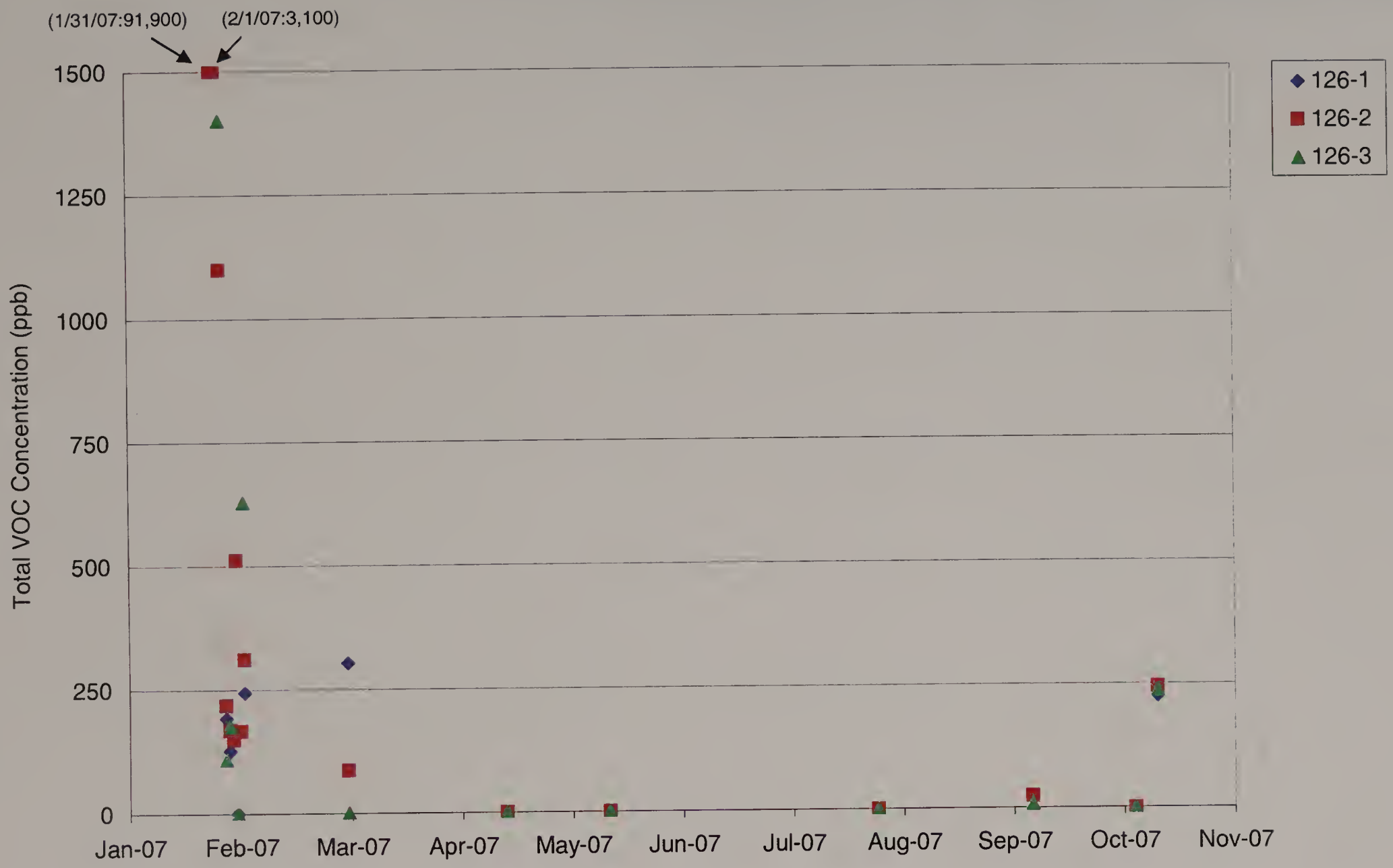
Graph 2
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Blower Interior Sub-Slab Monitoring Points
Capuano Center
Somerville, MA



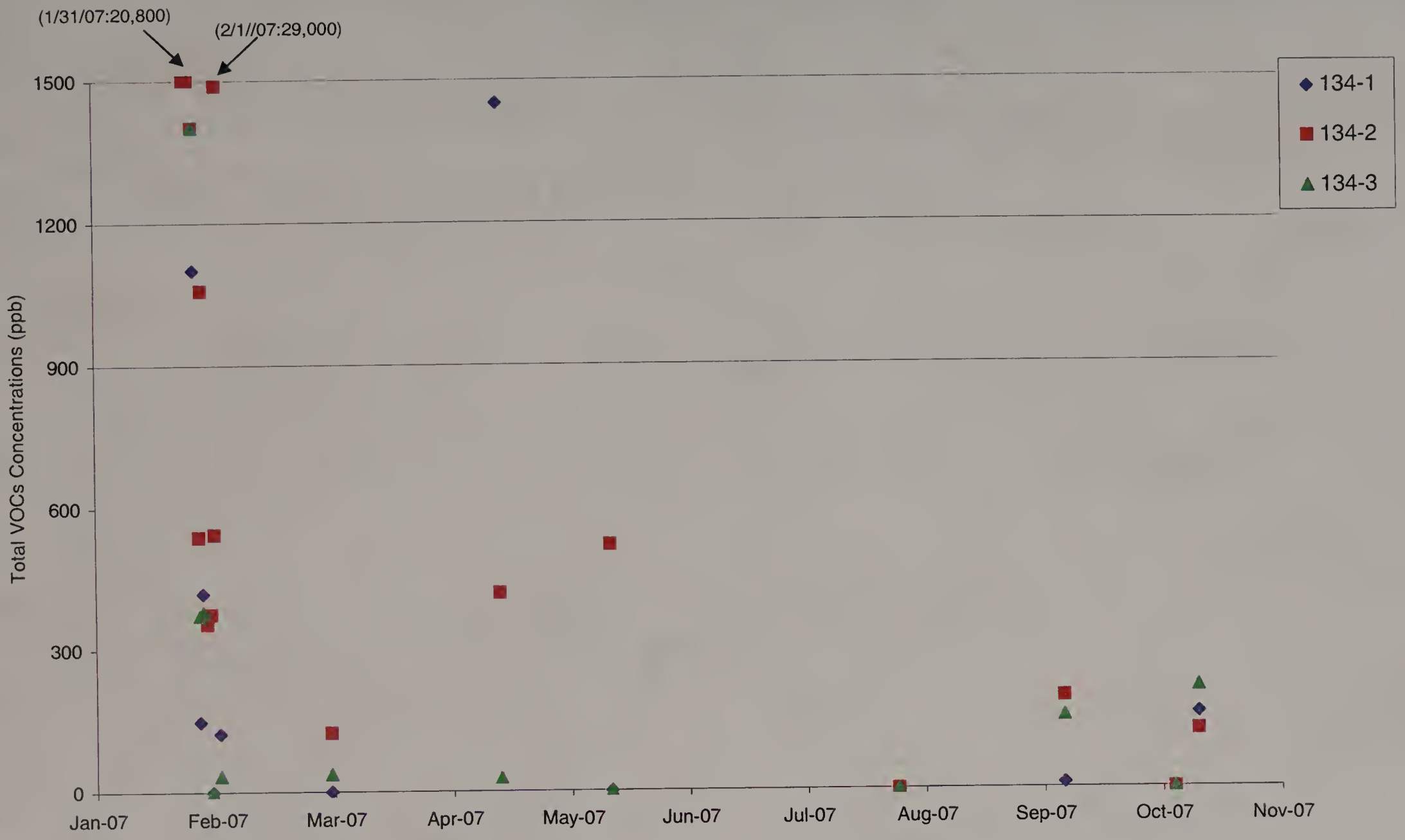
Graph 3
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 122
Capuano Center
Somerville, MA



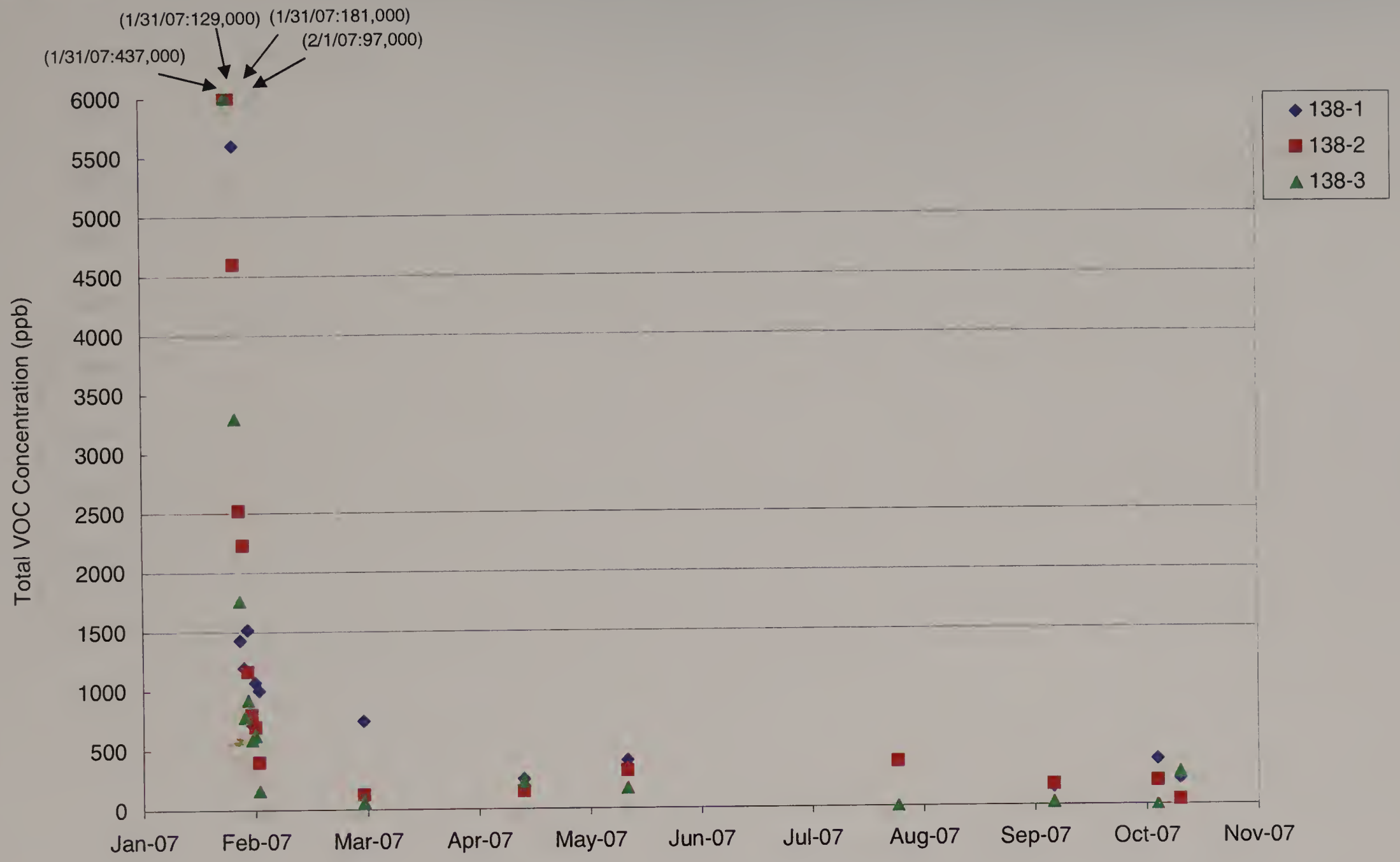
Graph 4
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 126
Capuano Center
Somerville, MA



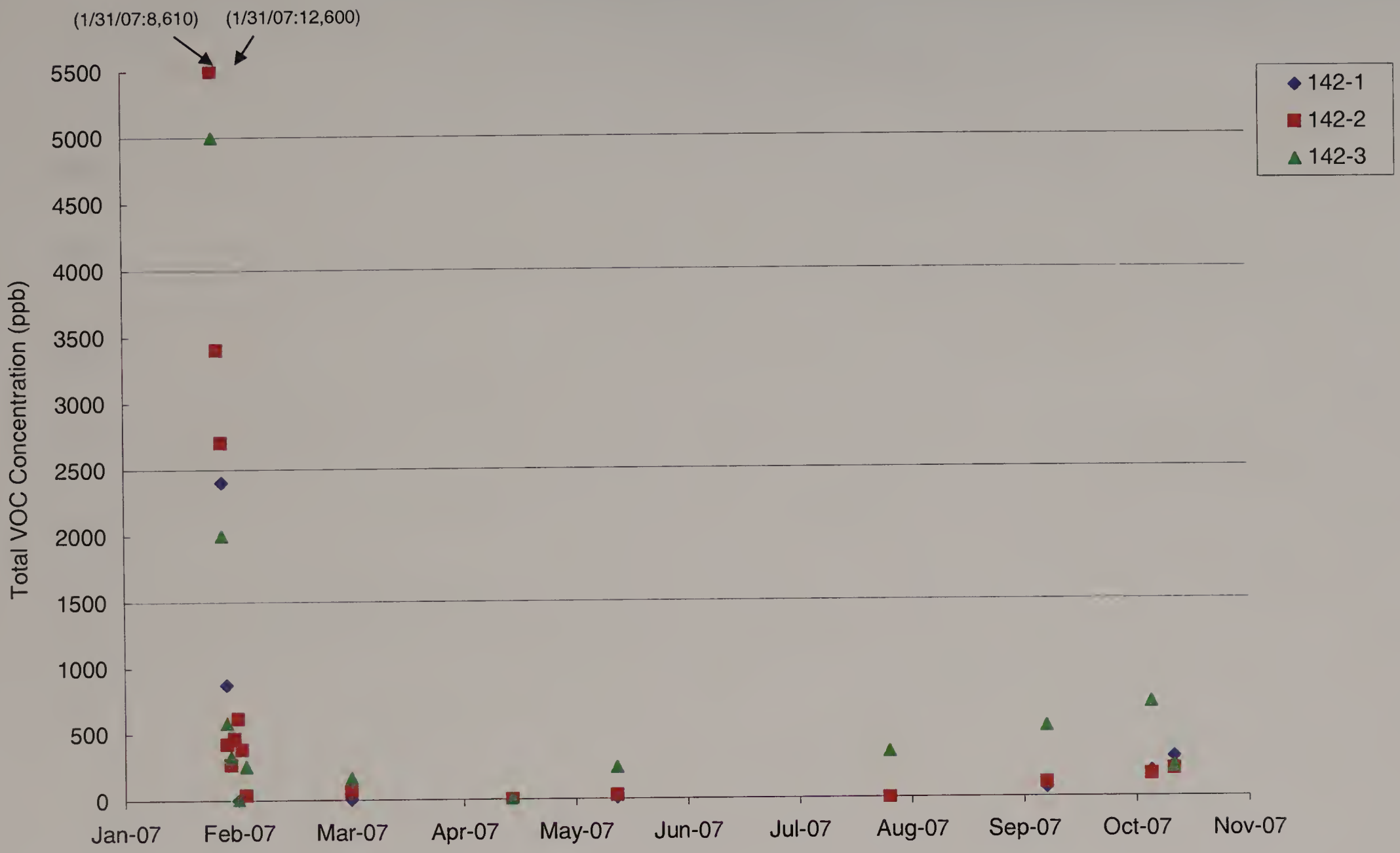
Graph 5
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 134
Capuano Center
Somerville, MA



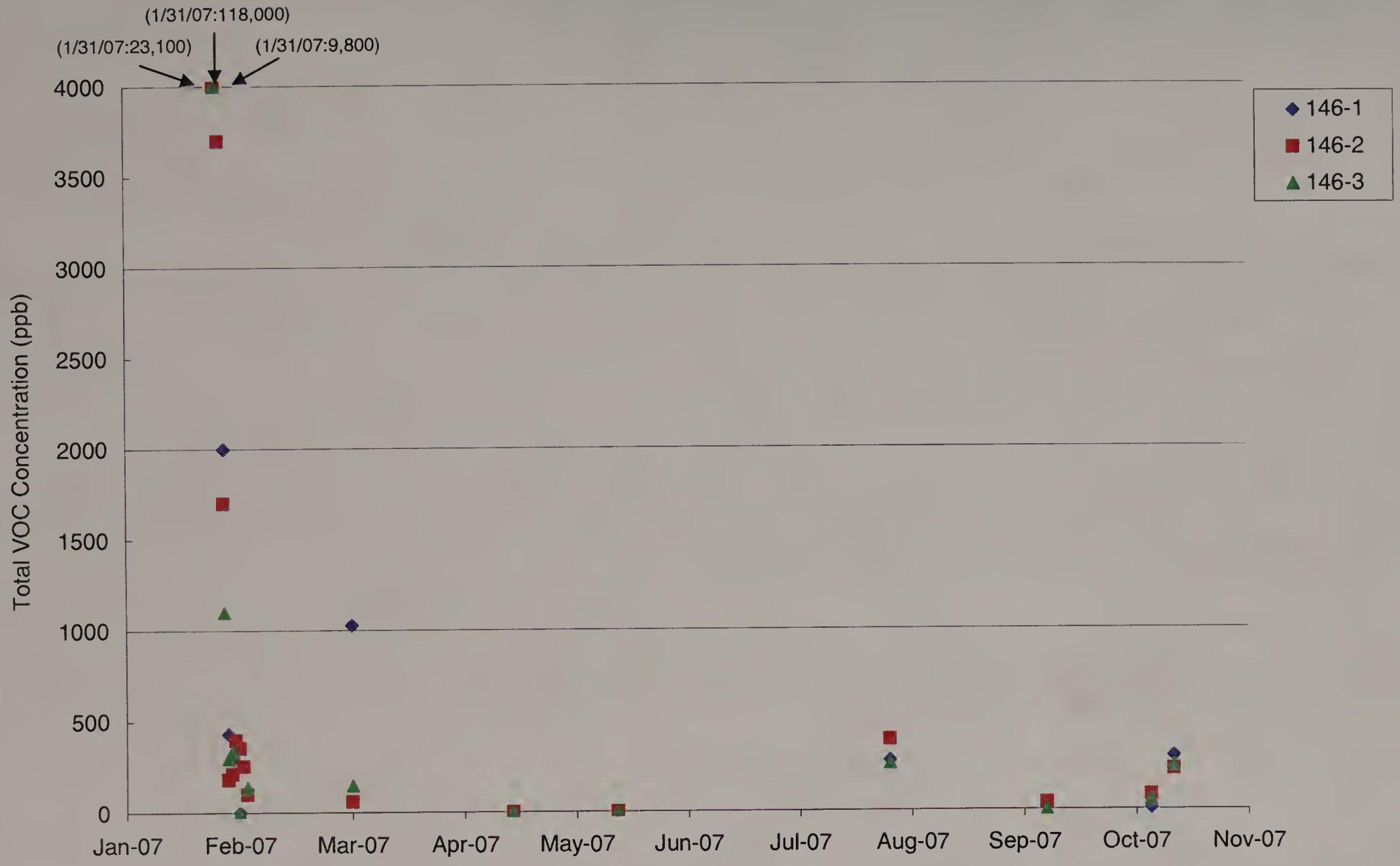
Graph 6
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 138
Capuano Center
Somerville, MA



Graph 7
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 142
Capuano Center
Somerville, MA



Graph 8
PID Monitoring Data: January 31, 2007 - October 31, 2007
Total VOC Concentrations by PID at Exterior Monitoring Points - Room 146
Capuano Center
Somerville, MA



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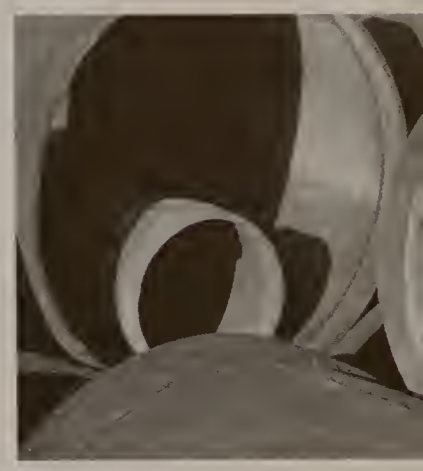

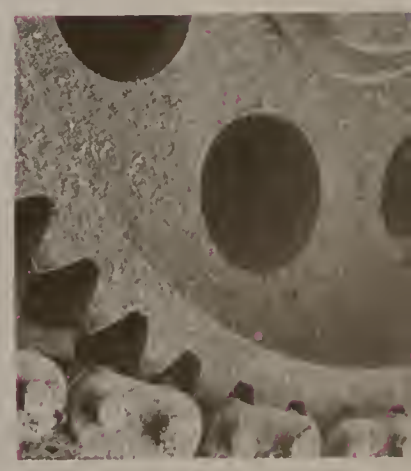

ATTACHMENT D

Laboratory Data Reports

Remedial Monitoring Report No. 7A
Lab Data Reports

50 Tufts Street, Somerville, MA

DEP RTN 3-23246

Prepared by:

GEI Consultants

Submitted to:
Mass DEP

November 2007

GEI Project 045162

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